

FIG. 1

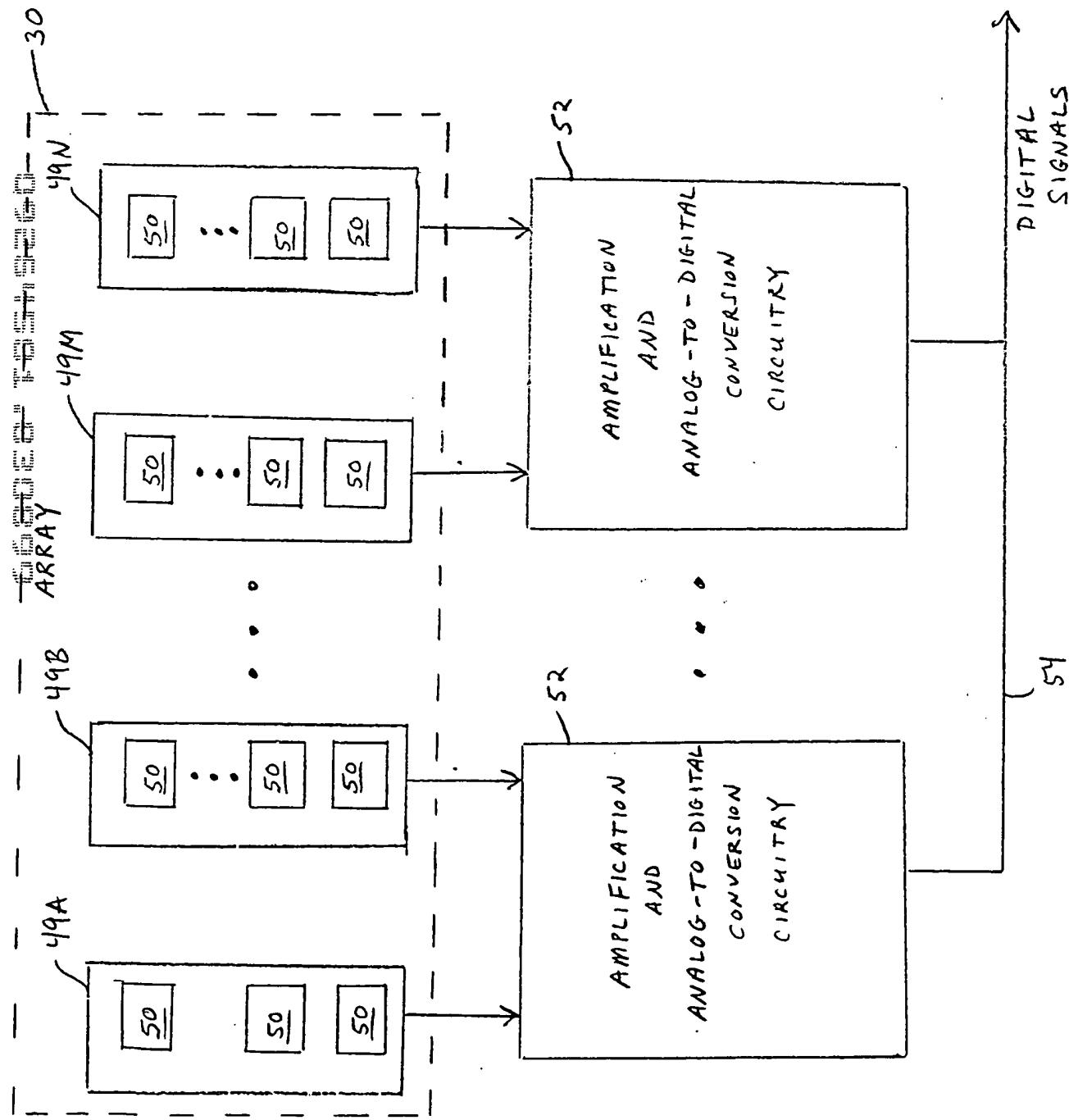


FIG. 2

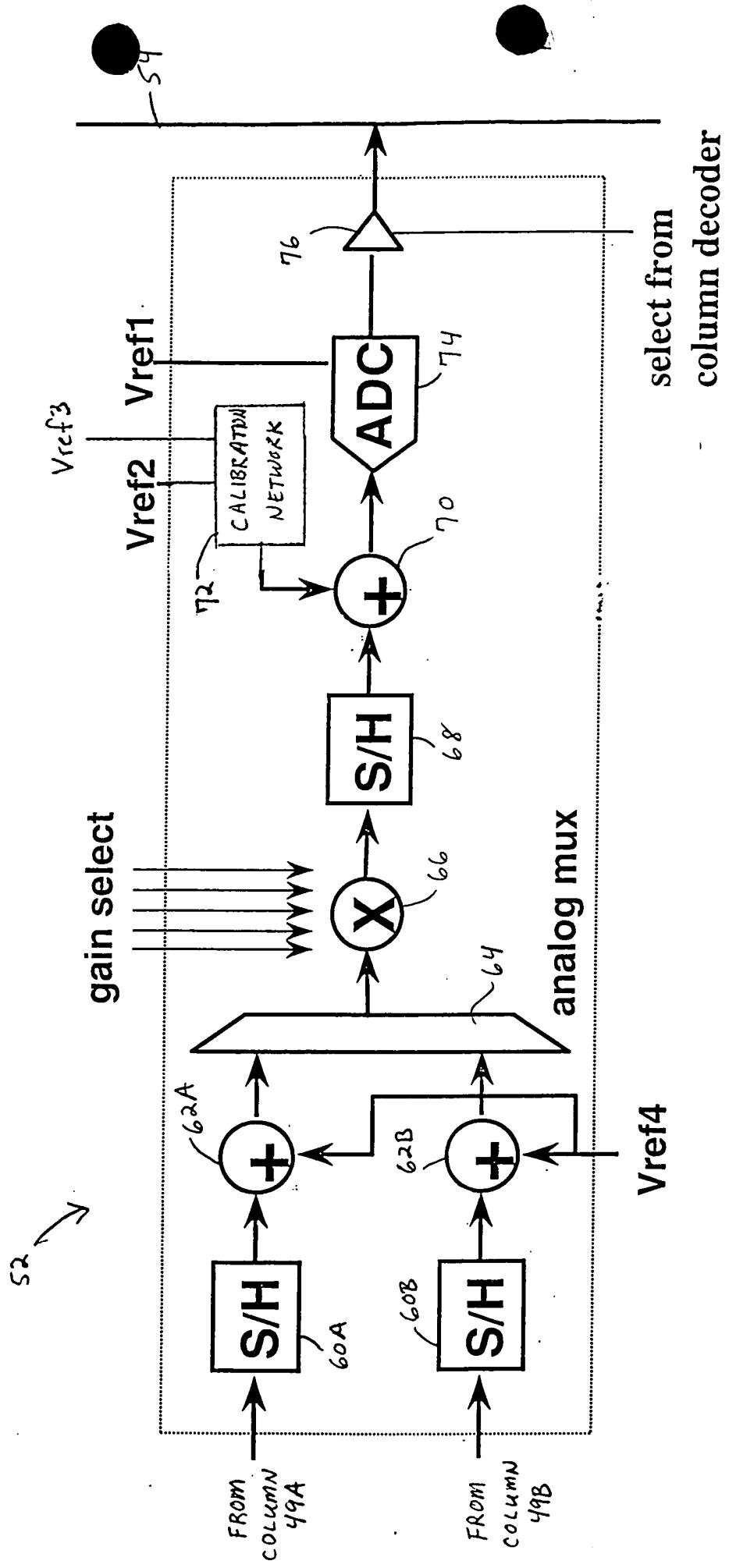


Fig. 3

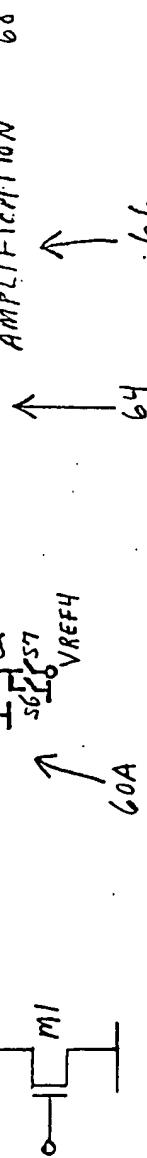
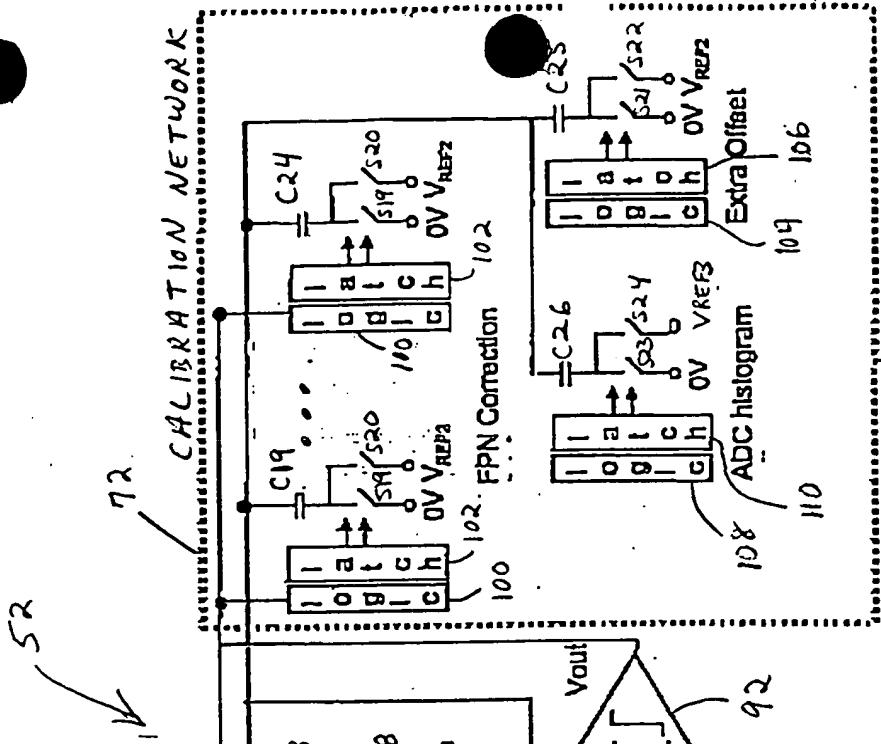
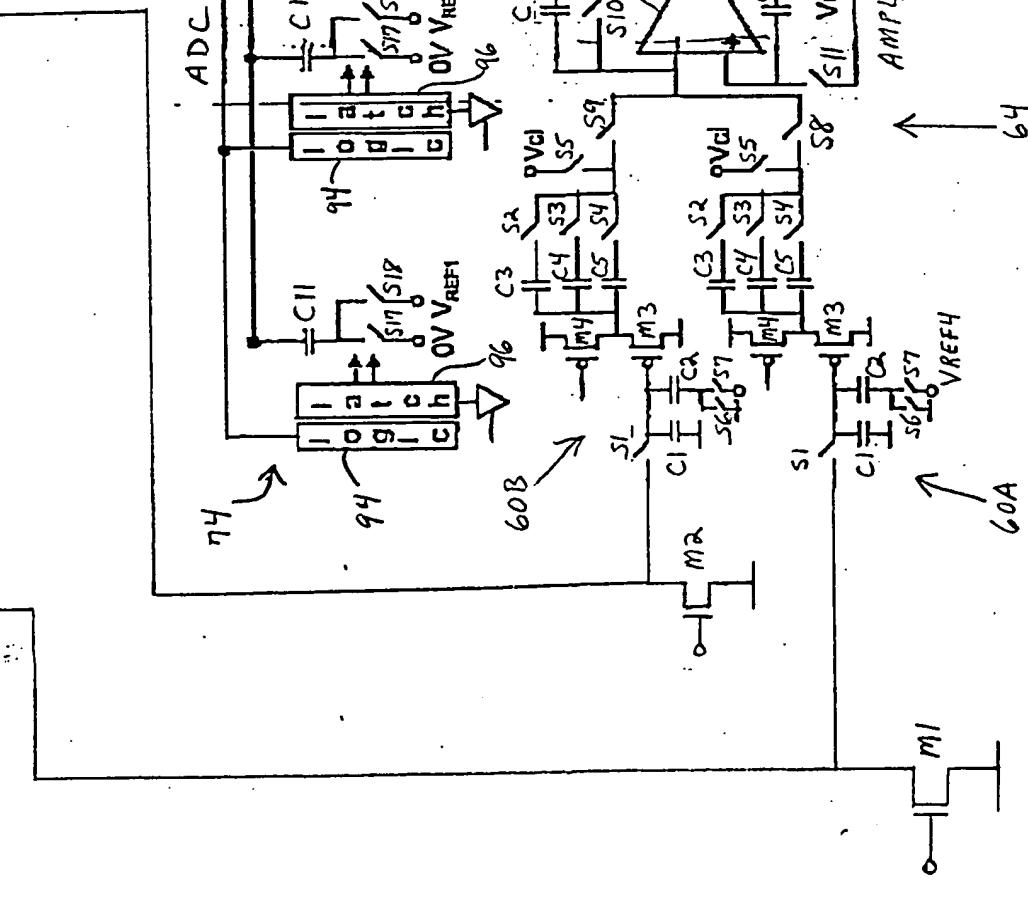
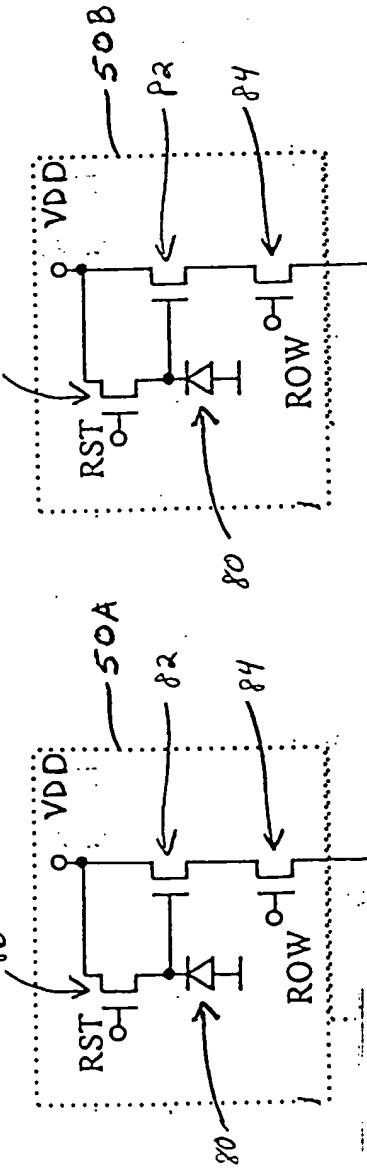
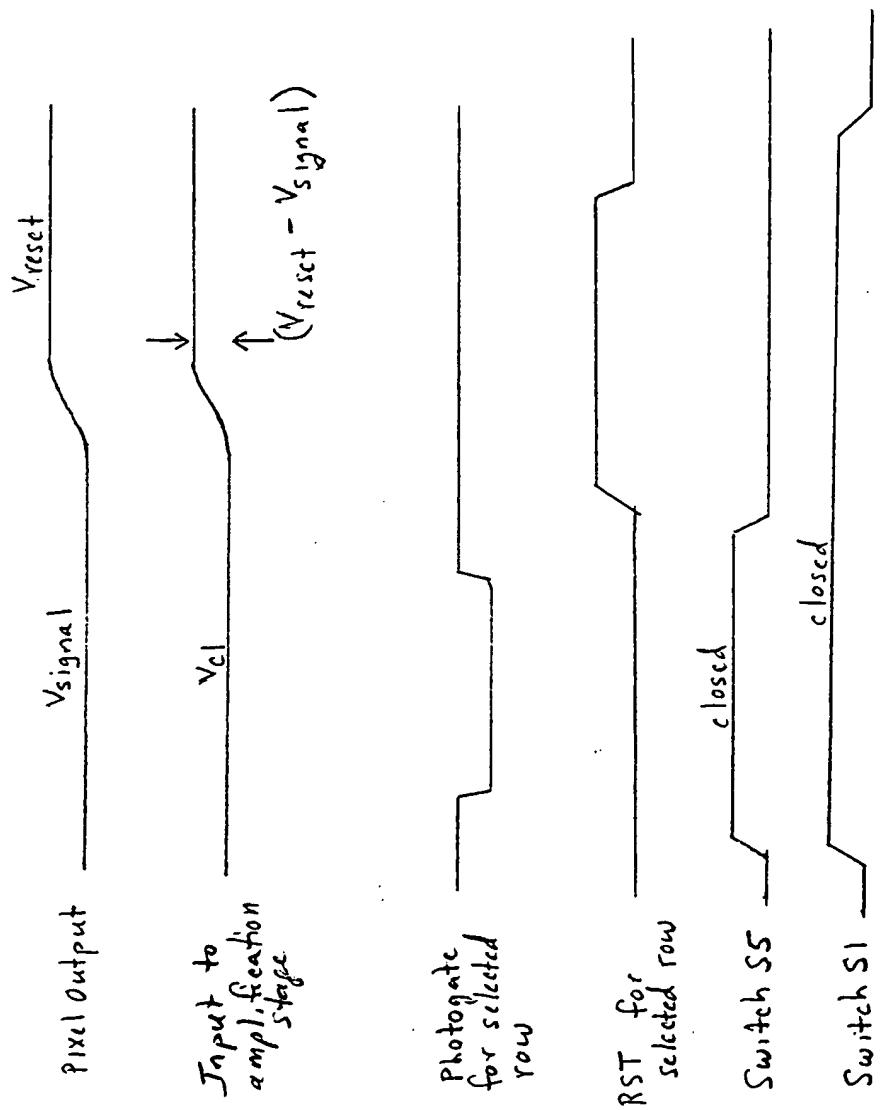


FIG. 4



SAMPLE AND HOLD TIMING

FIG. 5

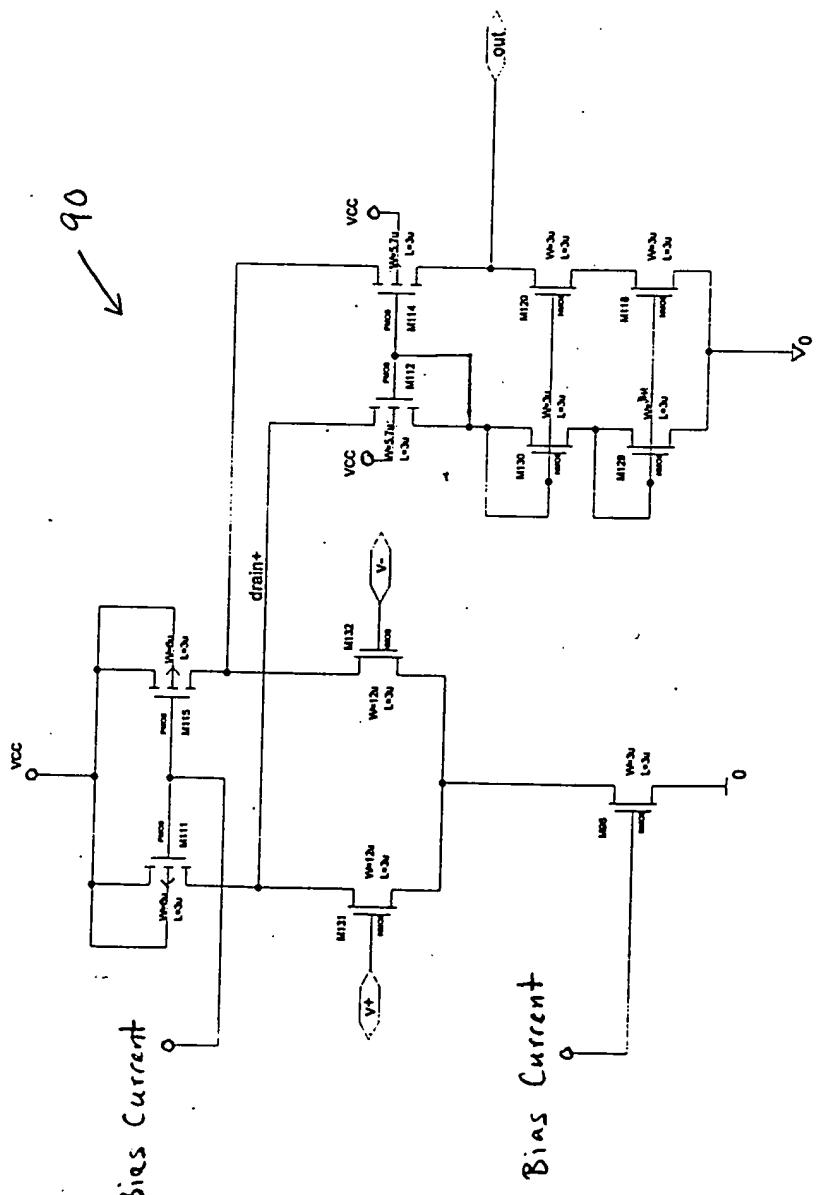
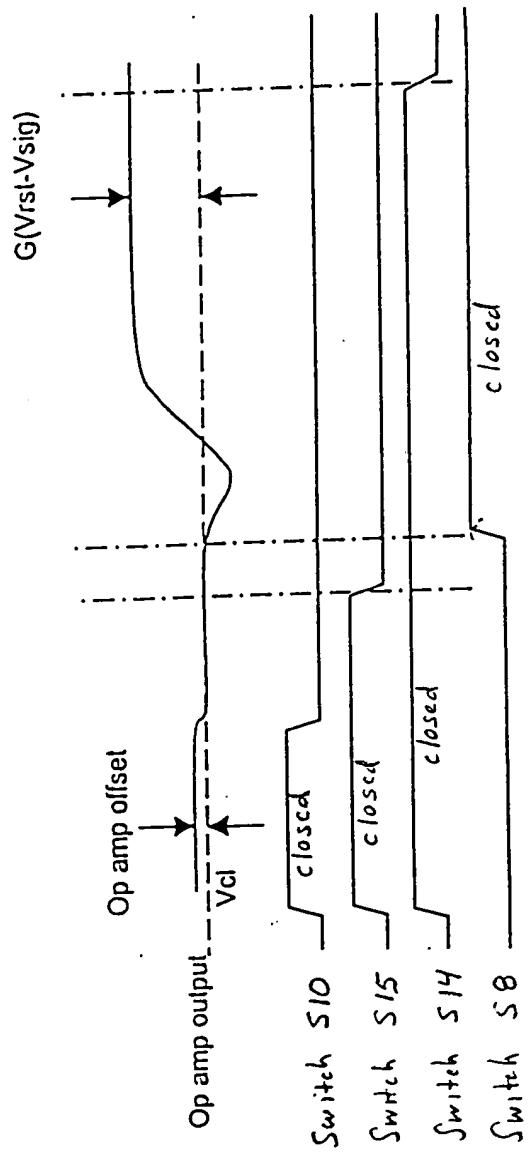


FIG. 6



Amplification Timing

FIG. 7

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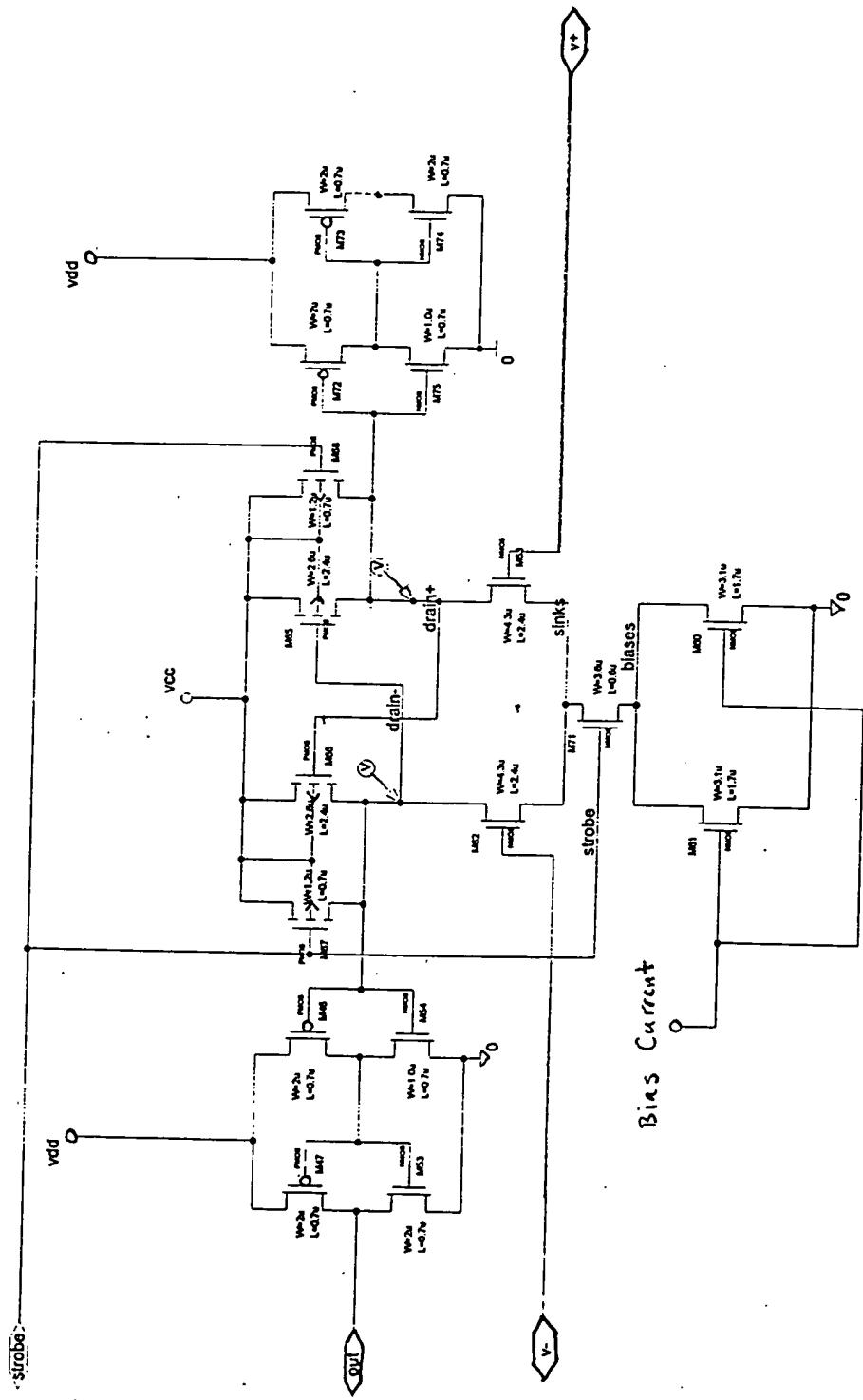


FIG. 8

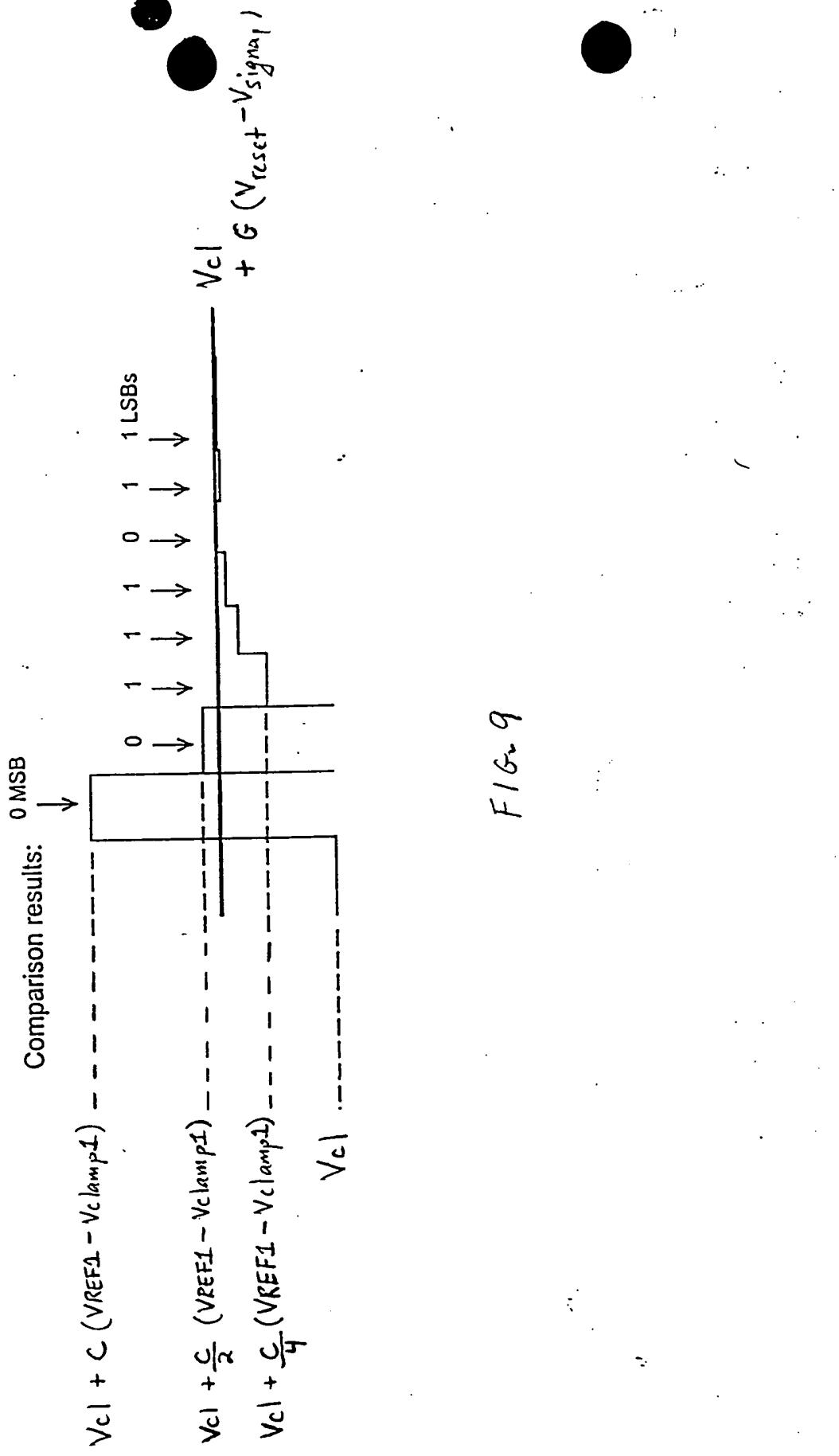


FIG. 9

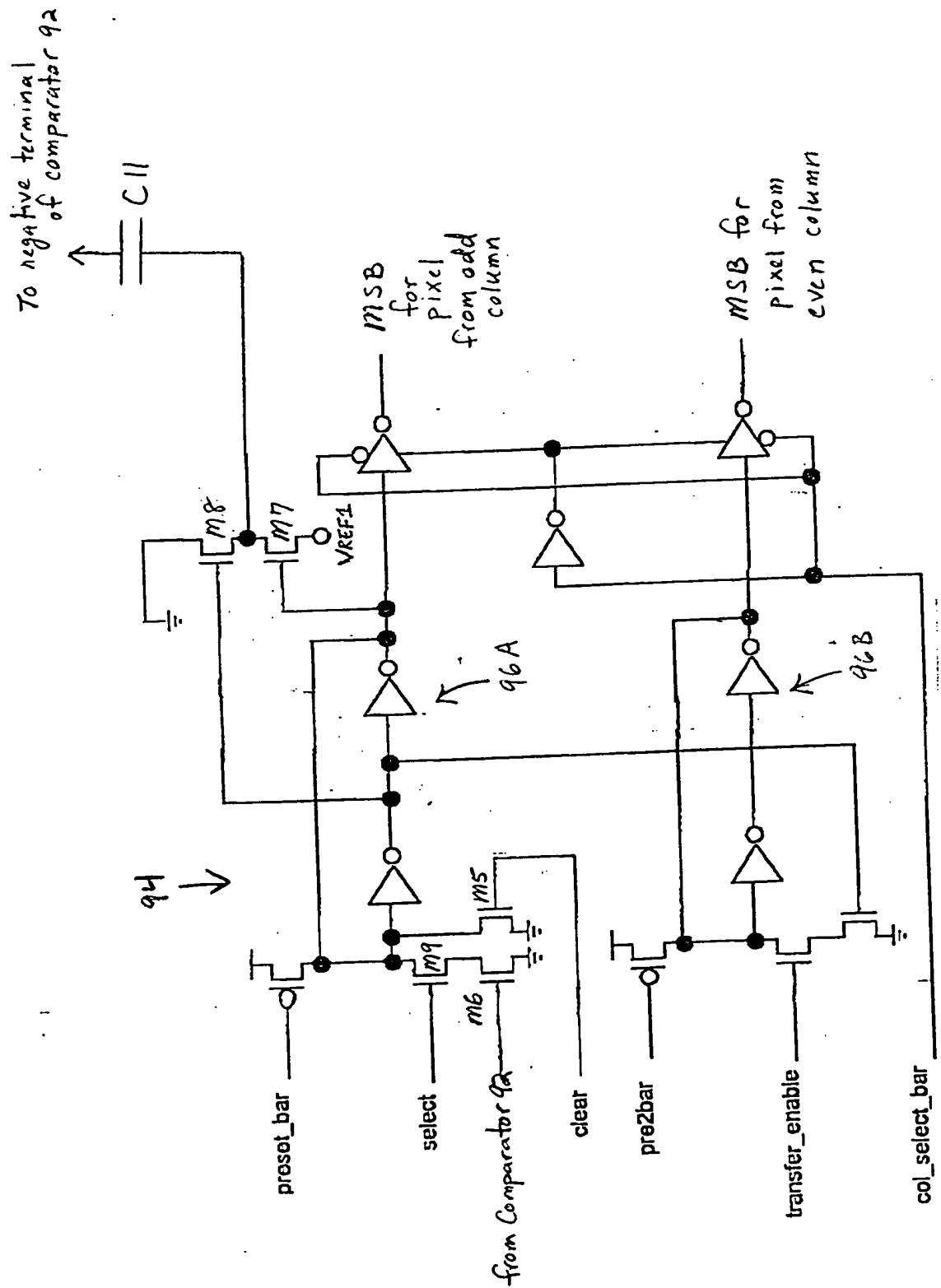


FIG. 10

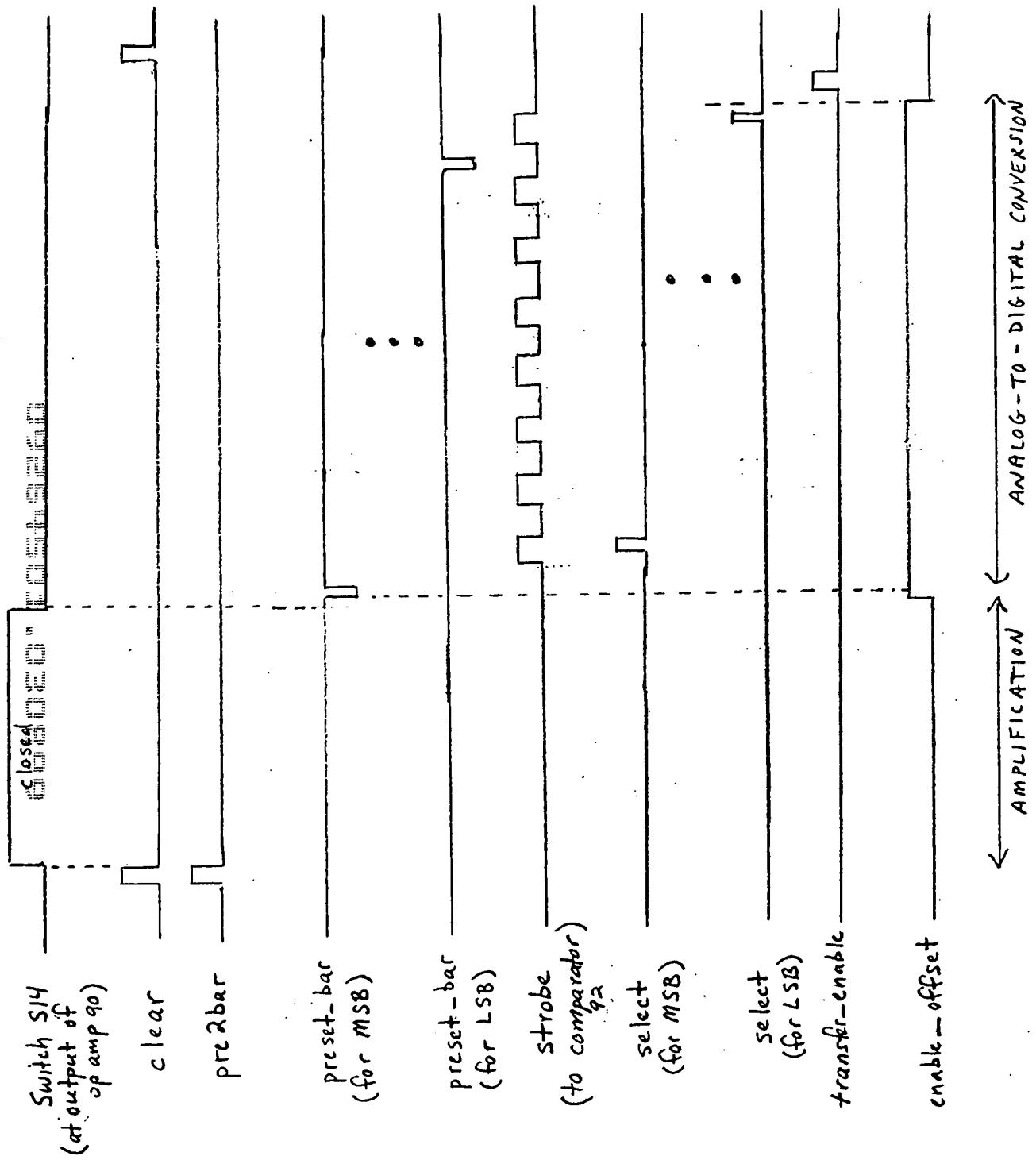


FIG. 11

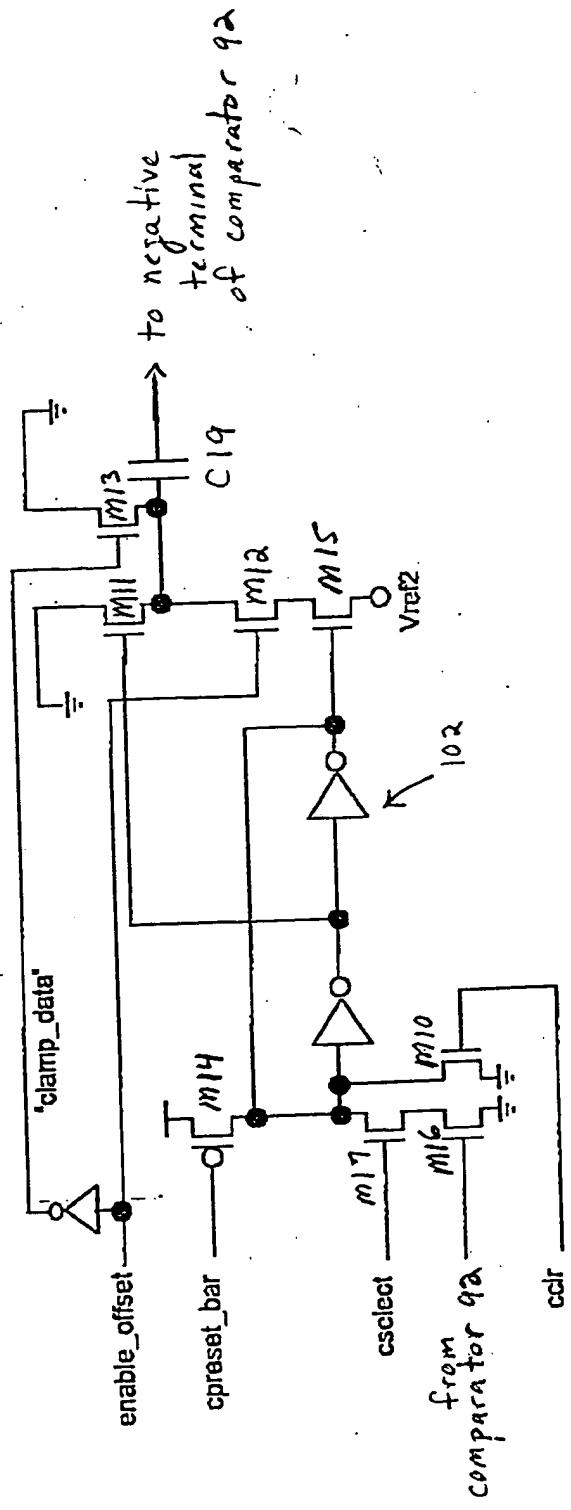
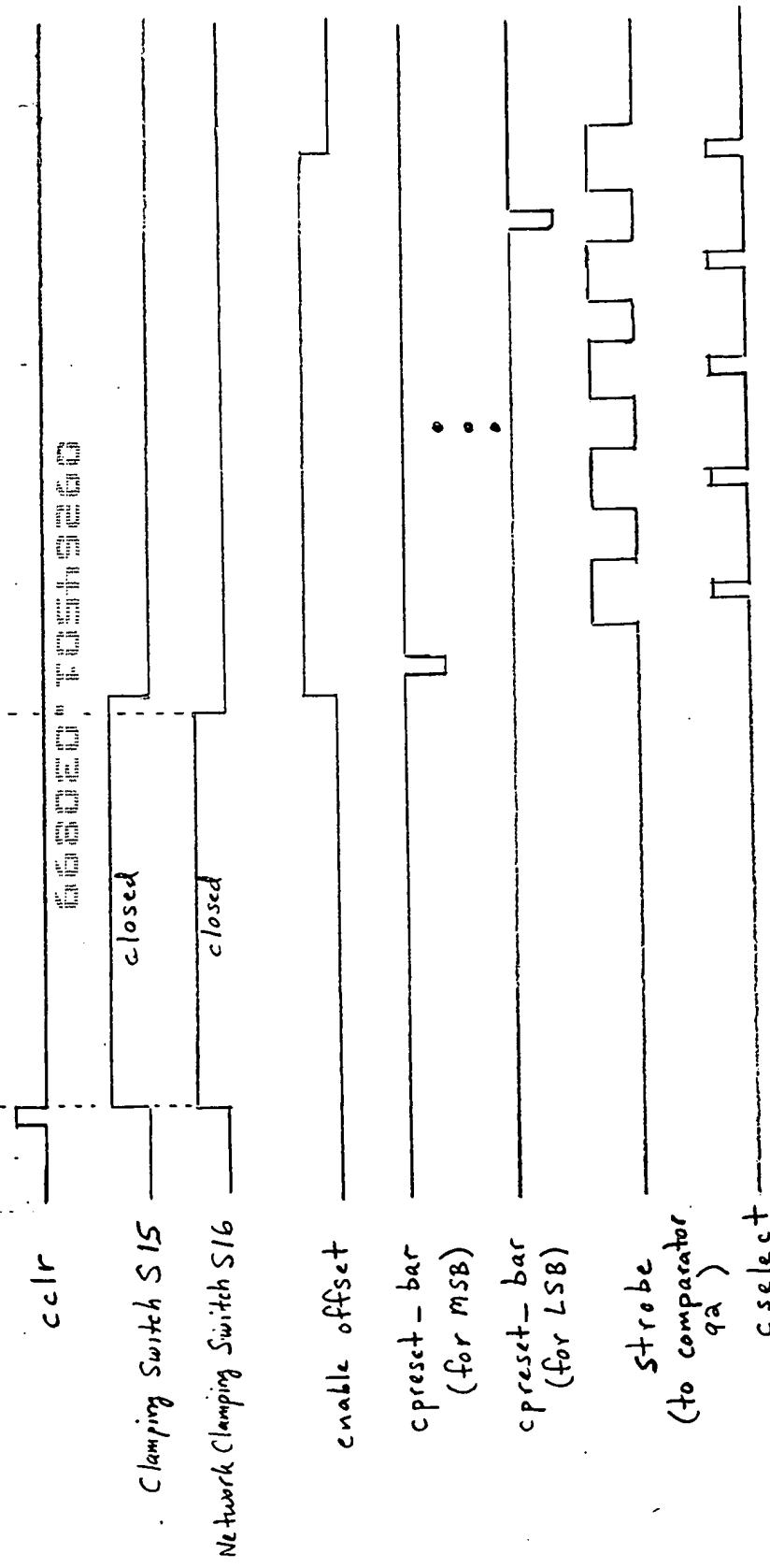
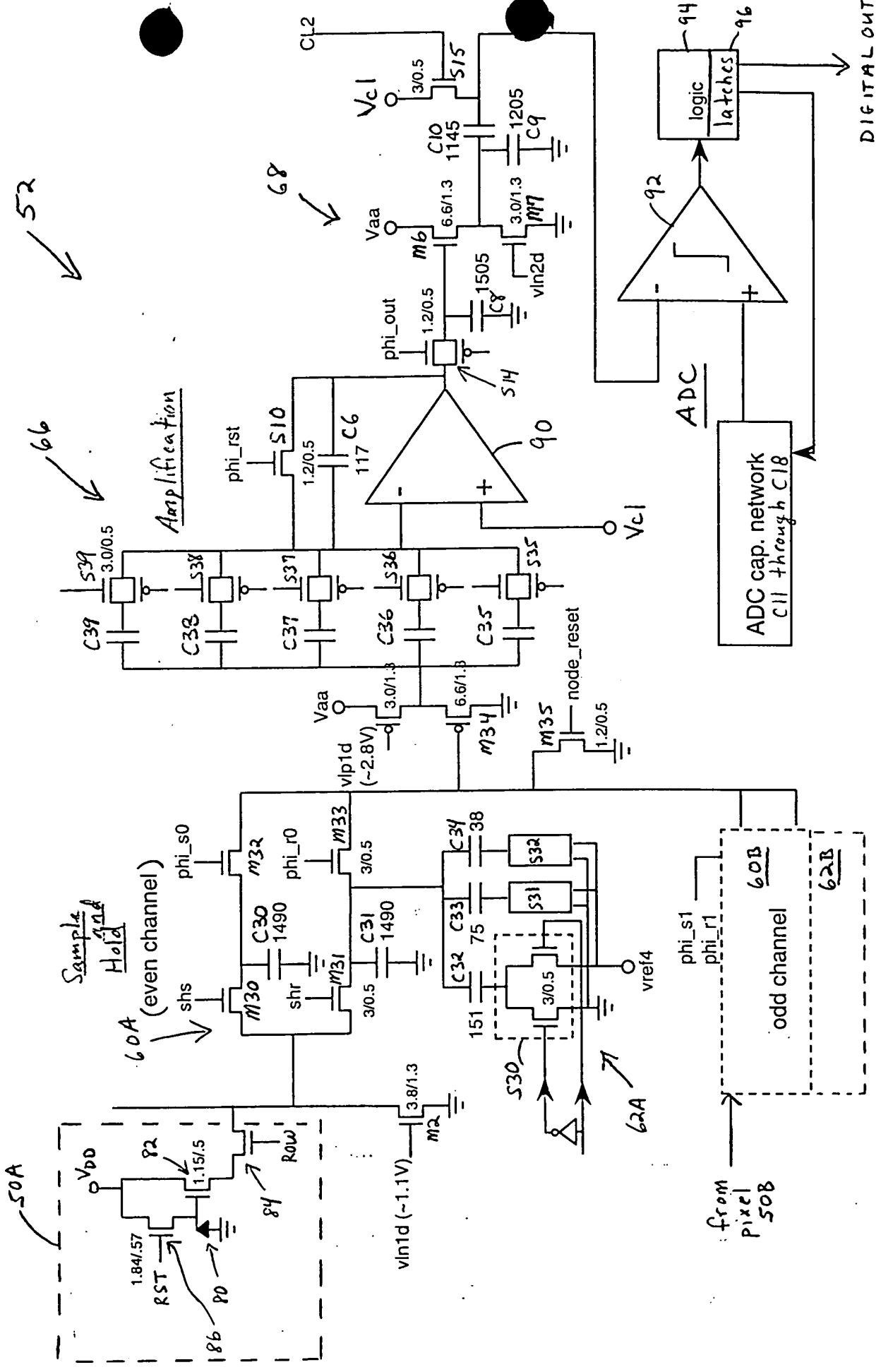


Fig. 12



CALIBRATION TIMING

FIG. 13



pixel timing

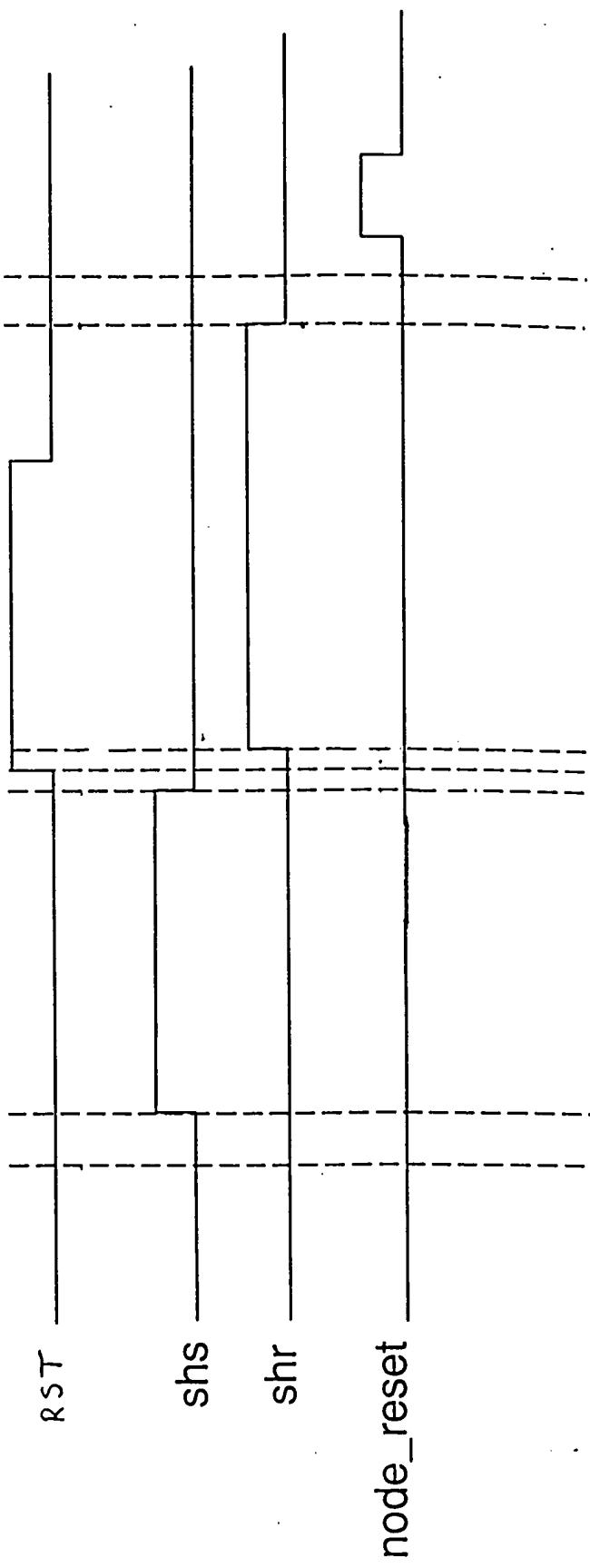


FIG. 15

gain timing

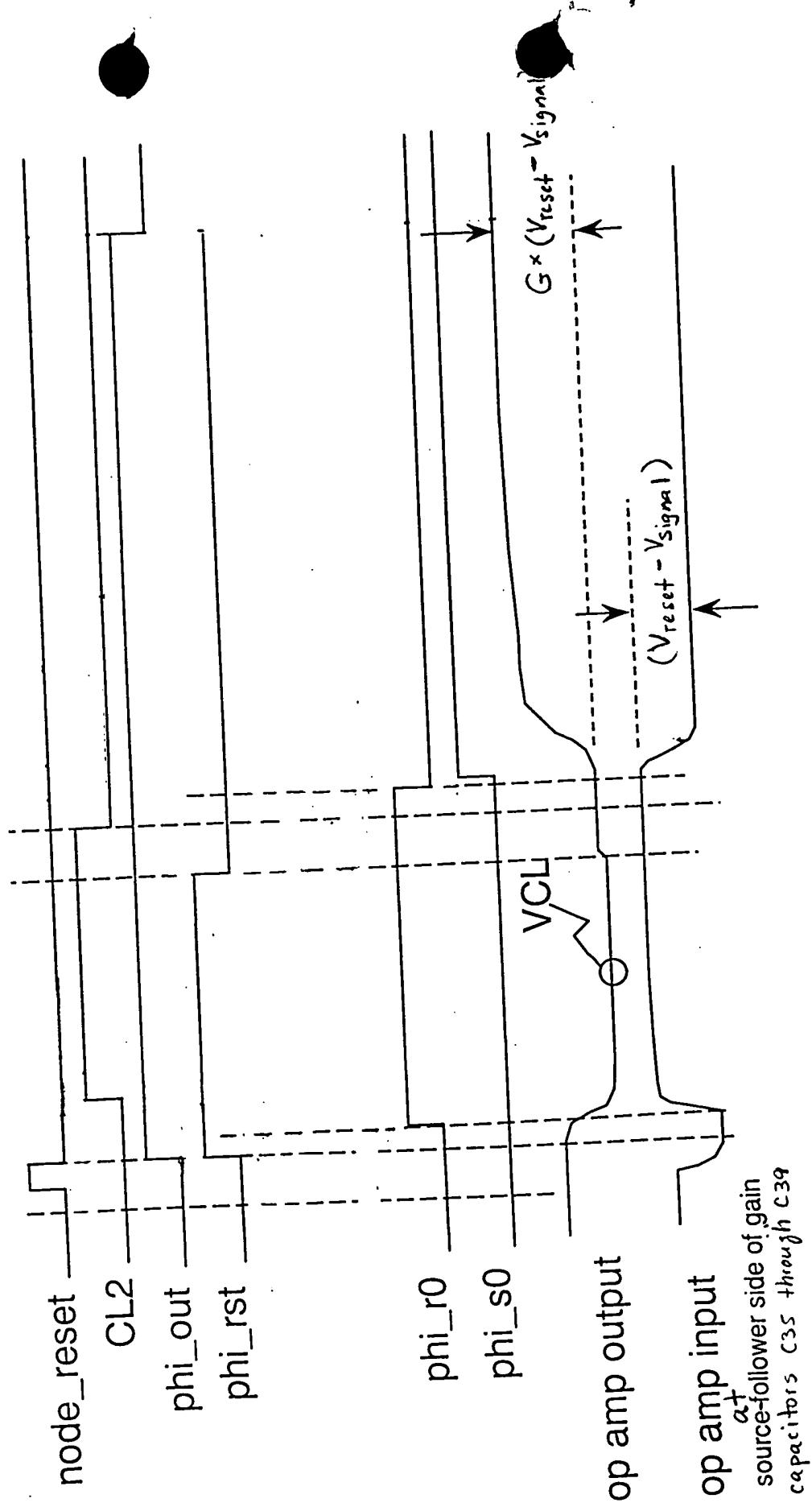


FIG. 16